

Title (en)  
Liveness detection method

Title (de)  
Methode zur Detektion von Belebtheit

Title (fr)  
Méthode de détection de l'état vivant

Publication  
**EP 1872719 A1 20080102 (EN)**

Application  
**EP 06013258 A 20060627**

Priority  
EP 06013258 A 20060627

Abstract (en)  
A liveness detection method, wherein at least one image (I) of a segment (1) of human or animal skin is captured by a touchless optical sensor and subjected to an analysis for detecting the perspiration activity of sweat pores. Further disclosed is a device for applying said method, comprising at least a touchless optical sensor for capturing images (I) and an apparatus for detecting sweat pore perspiration activity in at least one of said images (I).

IPC 8 full level  
**A61B 5/117** (2006.01); **A61B 5/00** (2006.01); **G06K 9/00** (2006.01)

CPC (source: EP)  
**A61B 5/0059** (2013.01); **A61B 5/4266** (2013.01); **A61B 5/441** (2013.01); **G06V 40/1388** (2022.01)

Citation (search report)

- [X] US 2005271258 A1 20051208 - ROWE ROBERT K [US]
- [Y] WO 0124700 A1 20010412 - VERIDICOM INC [US], et al
- [A] WO 9611632 A1 19960425 - CENTRAL RESEARCH LAB LTD [GB], et al
- [E] WO 2006087656 A1 20060824 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [Y] GEPPY PARZIALE ET AL: "The Surround ImagerTM: A Multi-camera Touchless Device to Acquire 3D Rolled-Equivalent Fingerprints", ADVANCES IN BIOMETRICS, vol. 3832/2005, 9 December 2005 (2005-12-09), pages 244 - 250, XP019026883, ISSN: 0302-9743, Retrieved from the Internet <URL:http://www.springerlink.com/content/978-3-540-31111-9/>
- [A] TOSHIO OHHASHI ET AL: "TOPICAL REVIEW", PHYSIOLOGICAL MEASUREMENT, INSTITUTE OF PHYSICS PUBLISHING, BRISTOL, GB, vol. 19, no. 4, 1 November 1998 (1998-11-01), pages 449 - 461, XP020073865, ISSN: 0967-3334

Cited by  
EP4011292A1; JP2015045540A; KR20160108054A; US10250939B2; US9378366B2; US9832510B2; WO2022122572A1; US9026678B2; US9965598B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1872719 A1 20080102**

DOCDB simple family (application)  
**EP 06013258 A 20060627**